



COPY OF PAPERS
ORIGINALLY FILED

1636

PATENT
Attorney Docket No. 203676

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#14

In re Application of:

Art Unit: 1636

Koszinowski et al.

Examiner: Gerald G. Leffers Jr.

Application No. 09/463,890

Filed: April 28, 2000

For:

RECOMBINANT VECTOR CONTAINING INFECTIOUS,
VIRAL GENOME SEQUENCES GREATER THAN 100 KB,
METHOD FOR PRODUCING SAME, AND USE FOR THE
MUTAGENESIS OF THE VIRAL SEQUENCES

RECEIVED

AUG 26 2002

TECH CENTER 1600/2900

SUBMISSION OF CORRECTED FORMAL DRAWINGS

Commissioner for Patents
Washington, D.C. 20231

Attn: Official Draftsman

Dear Sir:

Applicants enclose herewith 25 sheets of corrected formal drawings as required by Paper No. 13, dated July 15, 2002, and request that the same be made of record in this application as a substitute for the informal drawings filed with the application on April 28, 2002.

The Commissioner is hereby authorized to charge any fees which may be required to Account No. 12-1216. A duplicate of this communication is enclosed for that purpose.

Respectfully submitted,

Carol Larcher, Reg. No. 35,243
LEYDIG, VOIT & MAYER, LTD.
Two Prudential Plaza, Suite 4900
180 North Stetson
Chicago, Illinois 60601-6780
(312) 616-5600 (Telephone)
(312) 616-5700 (Facsimile)

Date: August 15, 2002

In re Appln. of Koszinowski et al.
Application No. 09/463,890

CERTIFICATE OF MAILING

I hereby certify that this SUBMISSION OF CORRECTED FORMAL DRAWINGS (along with any documents referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, PGPUB DRAWINGS, Washington, D.C. 20231.

Date: 8-15-02

Mark J. Sweetin

OIPE
AUG 22 2002
PATENT & TRADEMARK OFFICE
6116

RECEIVED

1/25

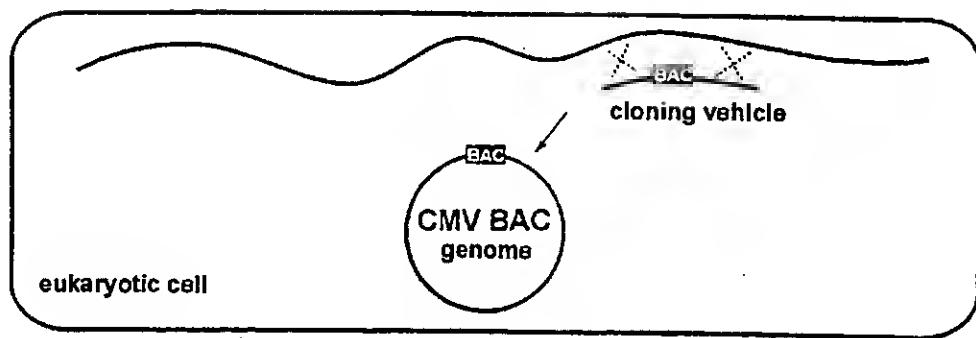
AUG 26 2002

TECH CENTER 1600/2900

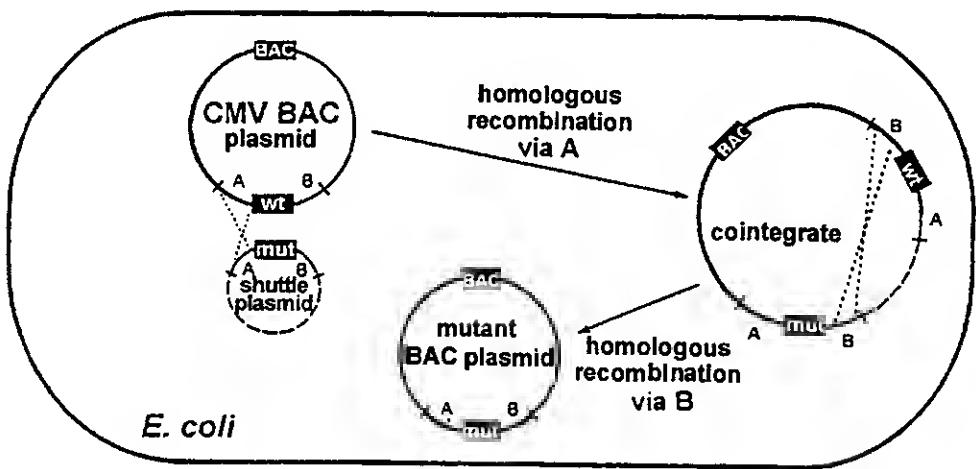
COPY OF PAPERS
ORIGINALLY FILED

FIG. 1

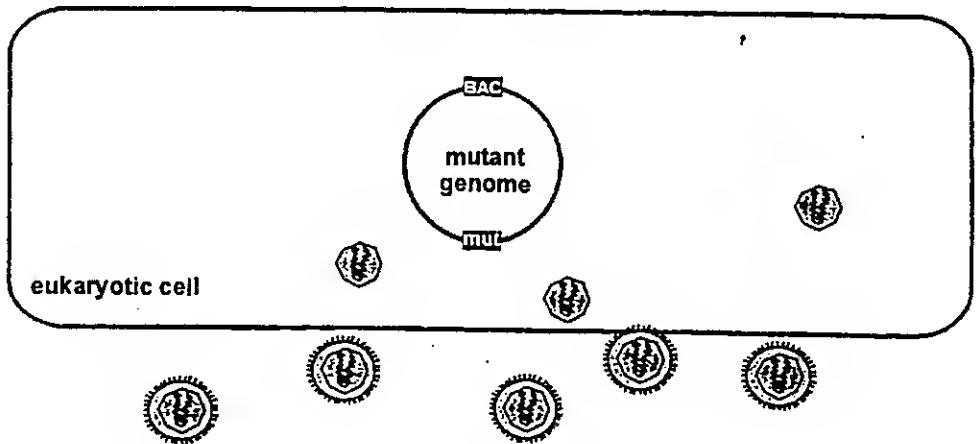
A



B



C





COPY OF PAPERS
ORIGINALLY FILED

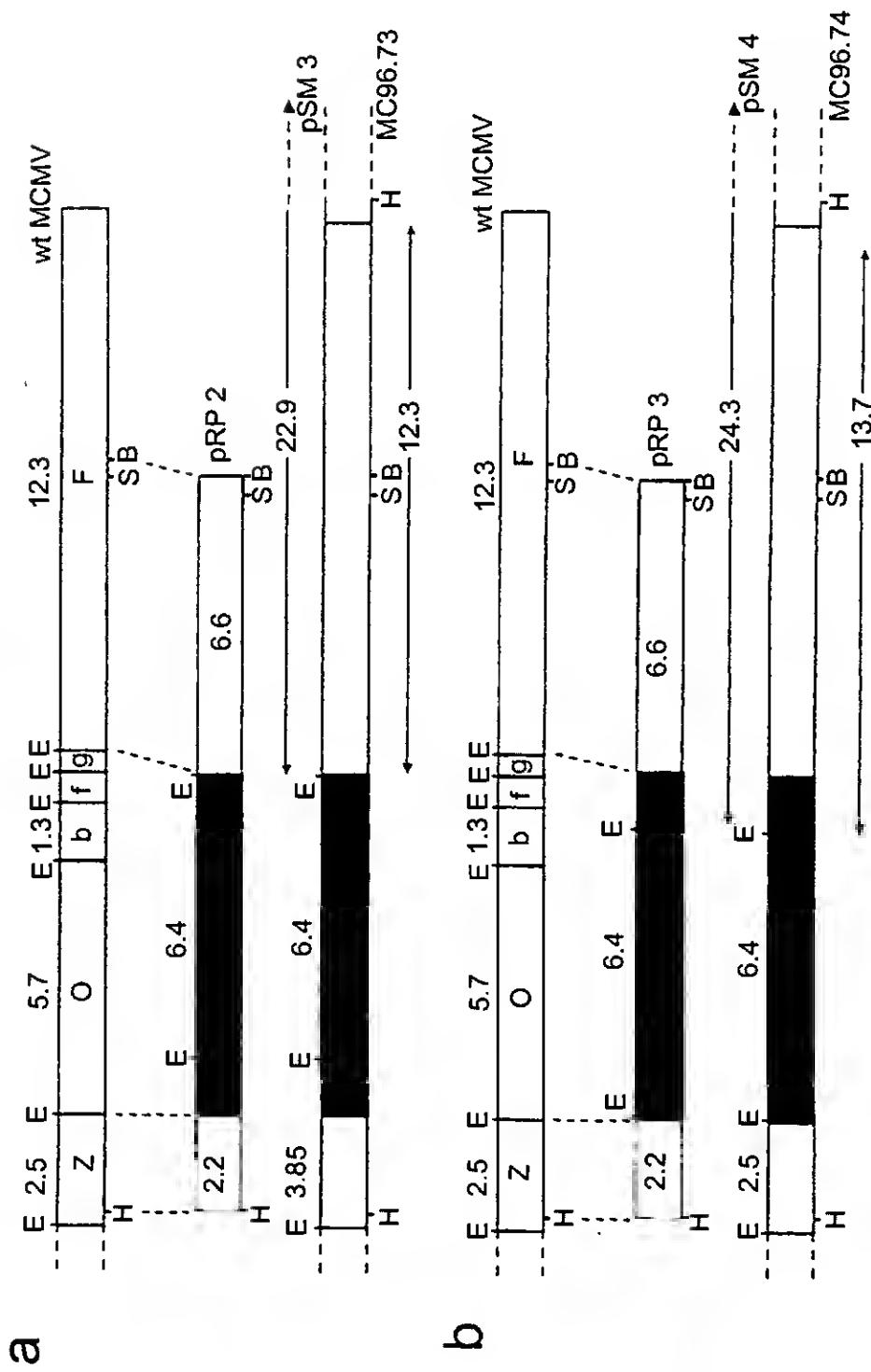
RECEIVED

2/25

AUG 26 2012

TECH CENTER 1600/2900

Fig. 2



U.S. PATENT & TRADEMARK OFFICE
AUG 22 2002

COPY OF PAPERS
ORIGINALLY FILED

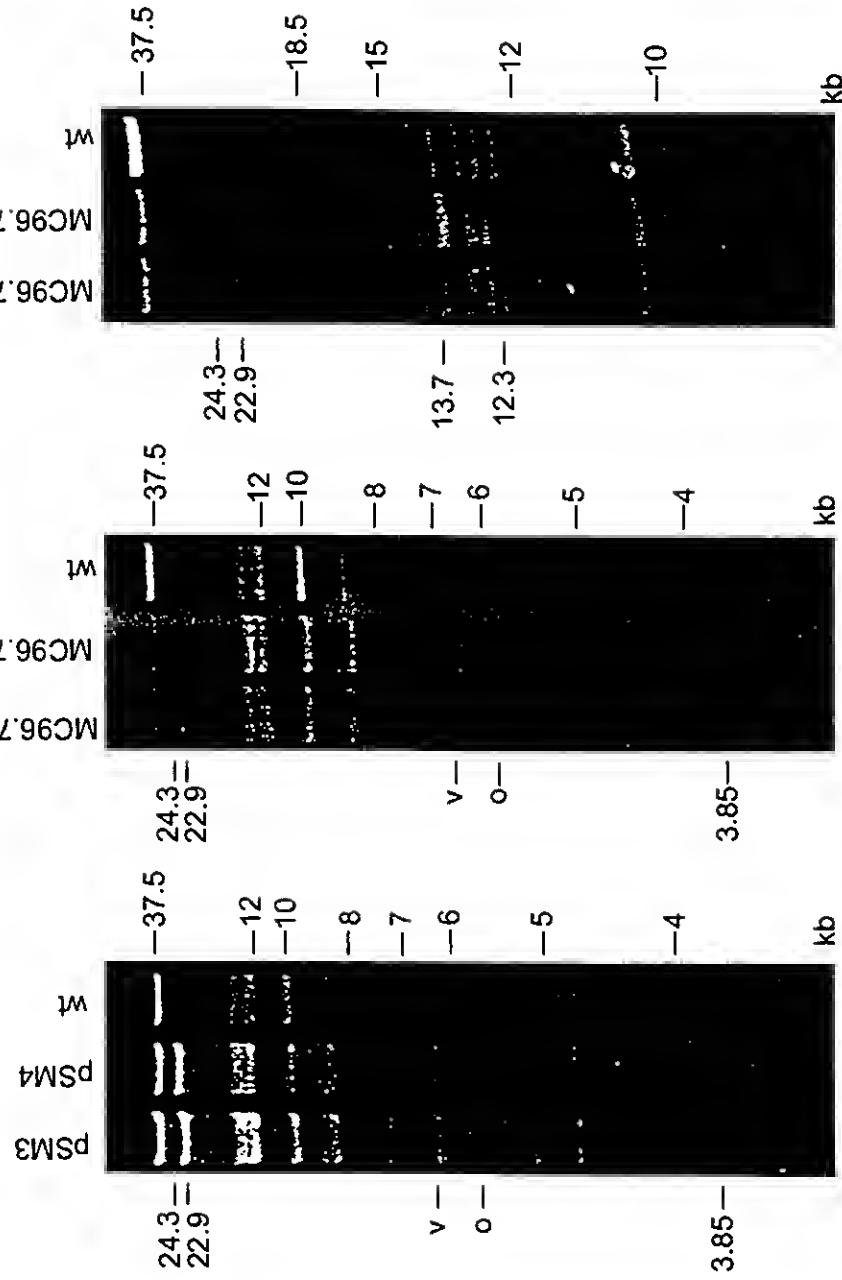
3/25

RECEIVED

AUG 26 2002

TECH CENTER 1000, 2000

Fig. 3



O I P E
AUG 22 2002
SEARCHED & TRADEMARK OFFICE
S 1516

COPY OF PAPER
ORIGINALLY FILED

RECEIVED

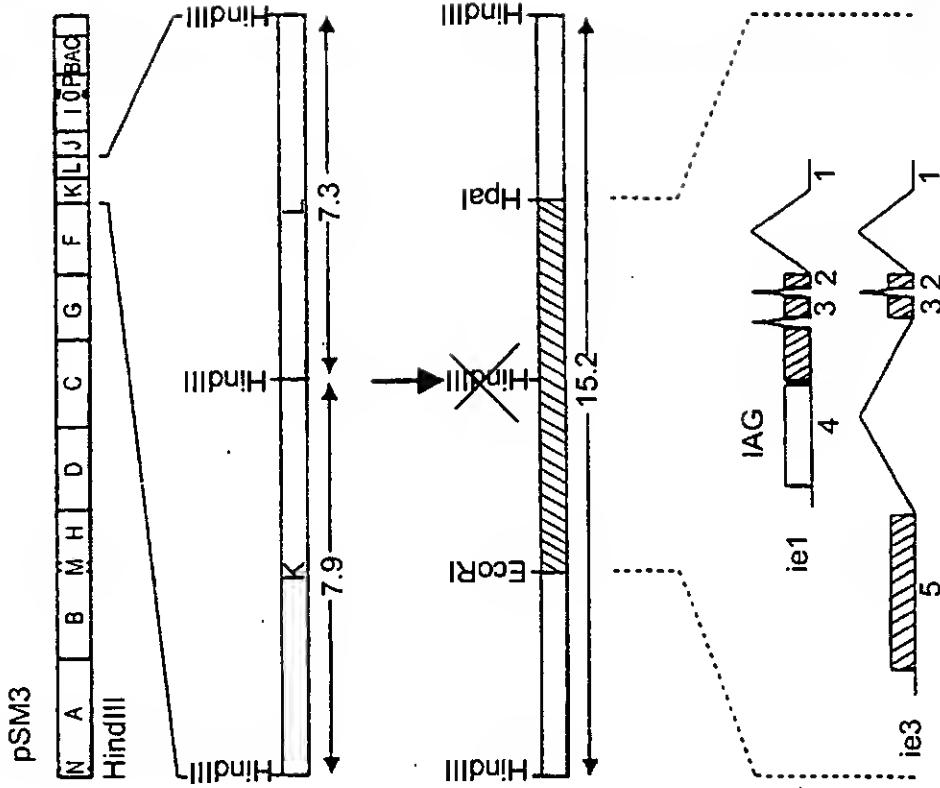
AUG 26 2002

TECH CENTER 1600/2900

kb

Fig. 4

a



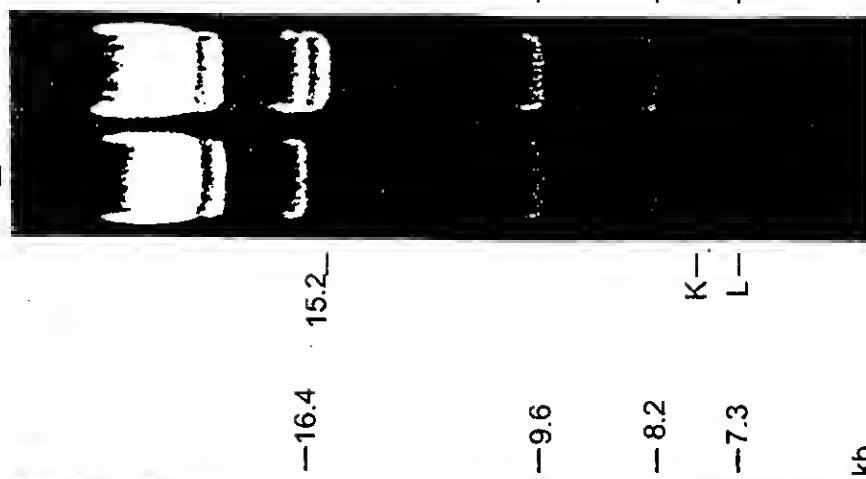
b



MM96.01

MC96.73

C



4/25

-16.4

-9.6

-8.2

-7.3

kb

K-

L-

K-

L-

kb

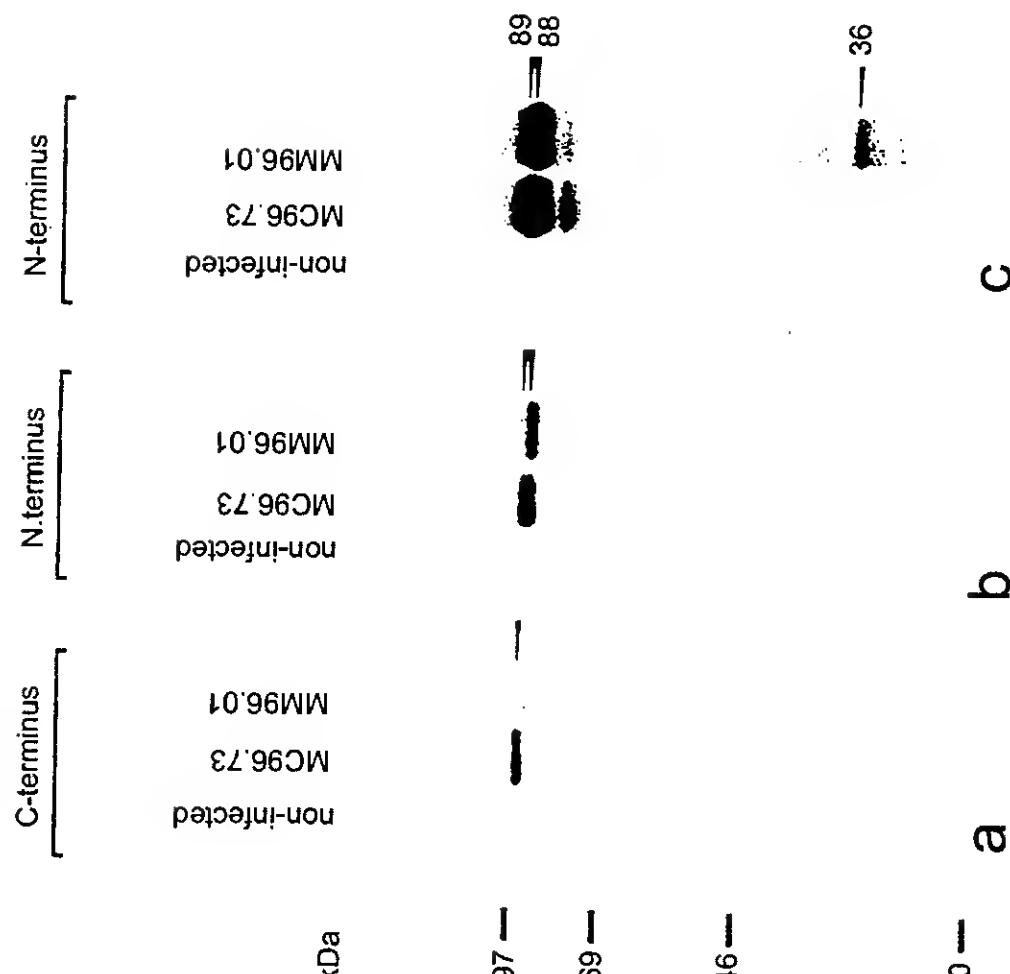
U.S. PATENT & TRADEMARK OFFICE
AUG 22 2002
RECEIVED

RECEIVED

AUG 26 2002

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED





6/25

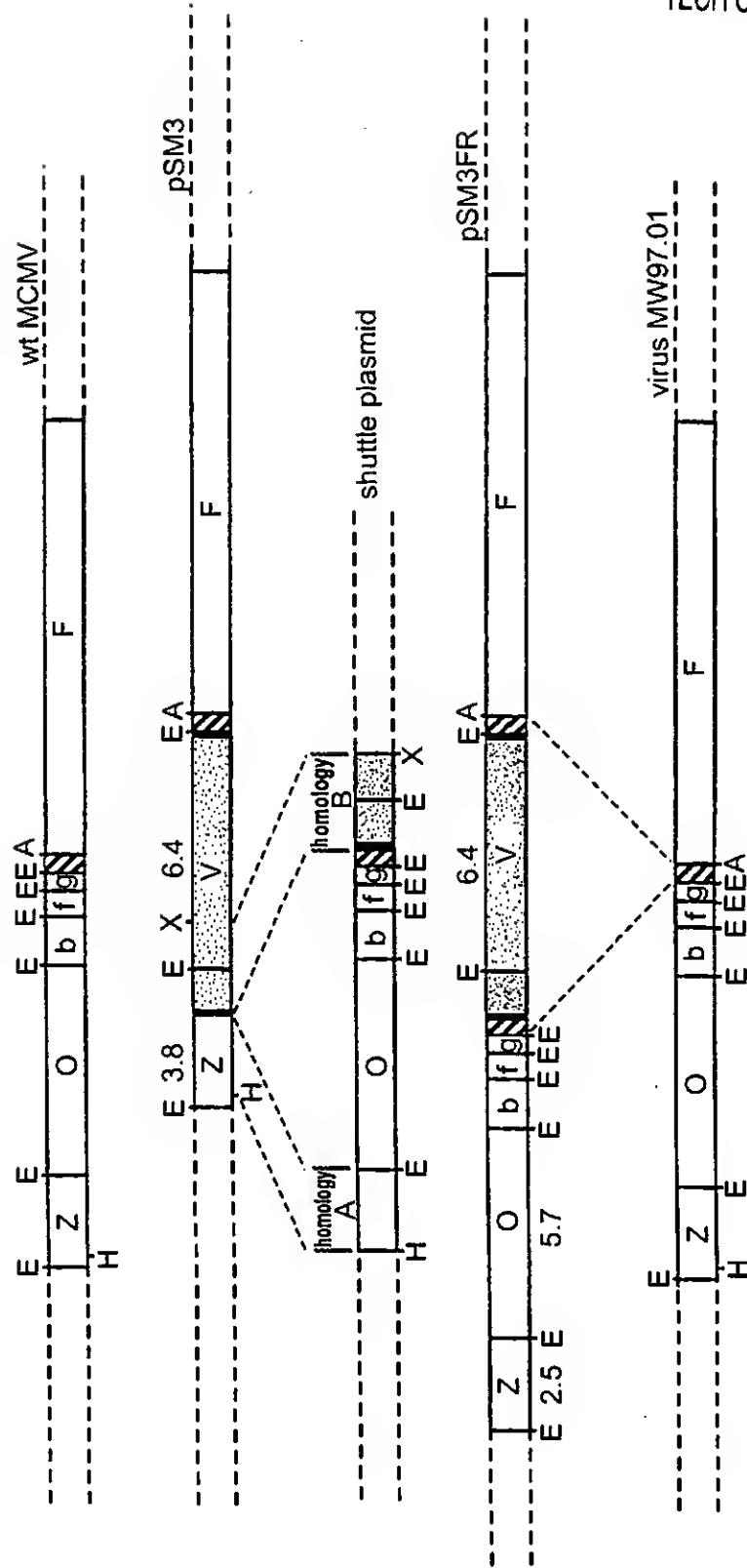
RECEIVED

AUG 26 2002

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED

Fig. 6



O I P E
AUG 22 2002
PATENT & TRADEMARK OFFICE

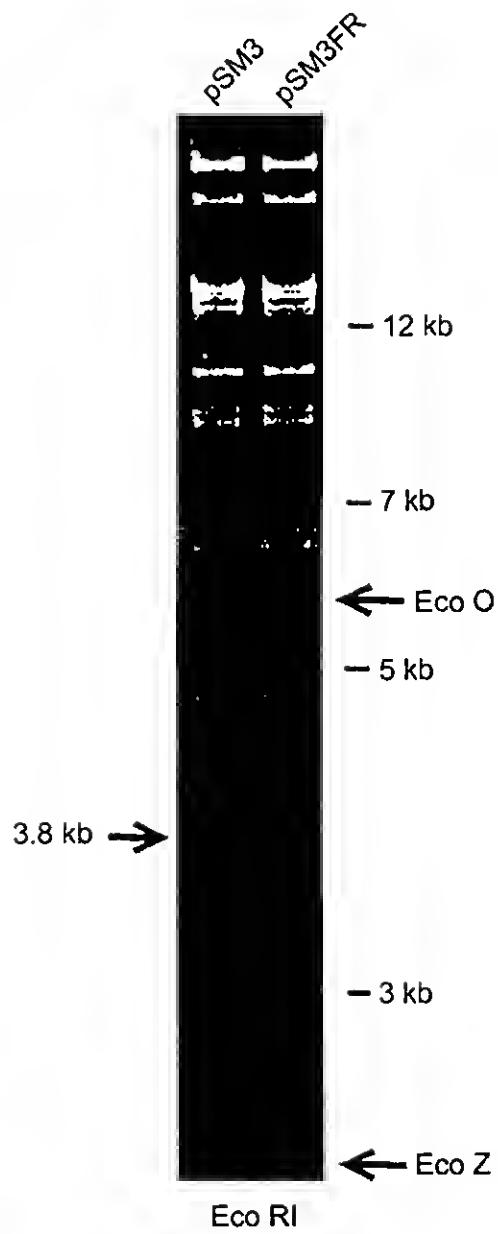
RECEIVED

AUG 26 2002

TECH CENTER 1600/2900

7/25

Fig. 7



COPY OF PAPERS
ORIGINALLY FILED

O I P E
AUG 22 2002
P A T E N T & T R A D E M A R K O F F I C E

8/25

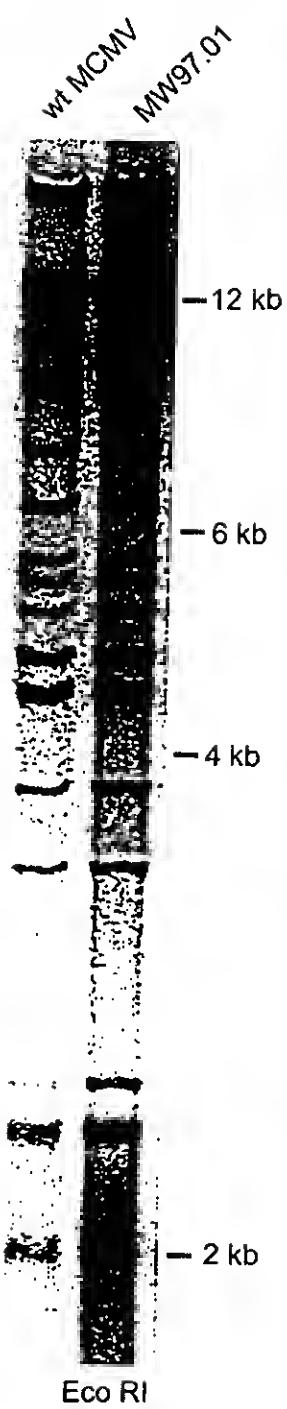
RECEIVED

AUG 26 2002

Fig. 8

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED



O I P E
AUG 22 2002
PATENT & TRADEMARK

COPY OF PAPERS
ORIGINALLY FILED

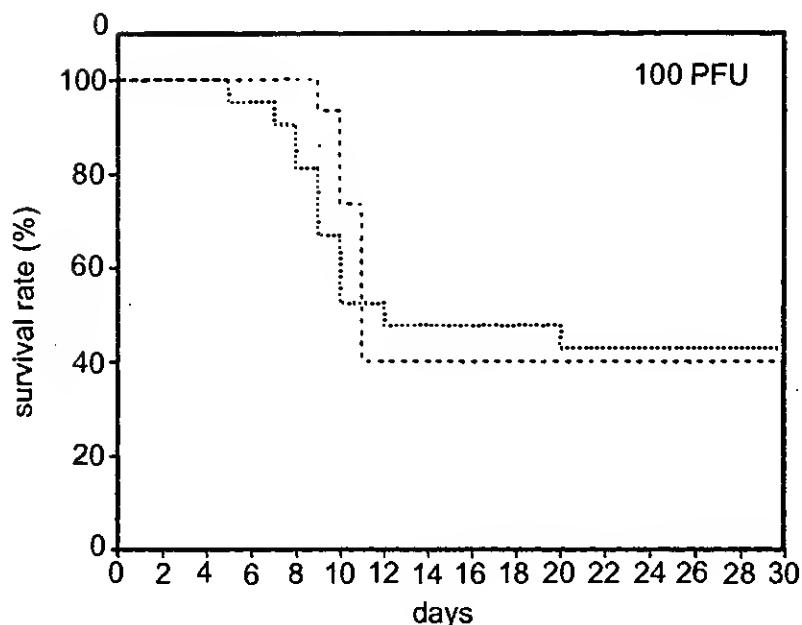
9/25

RECEIVED

AUG 26 2002

Fig. 9

TECH CENTER 1600/2900



..... MW 97.01
..... MCMV w.t.

O I P E
AUG 2 2 2002
SEARCHED & TRADEMARK OFFICE 6135

RECEIVED

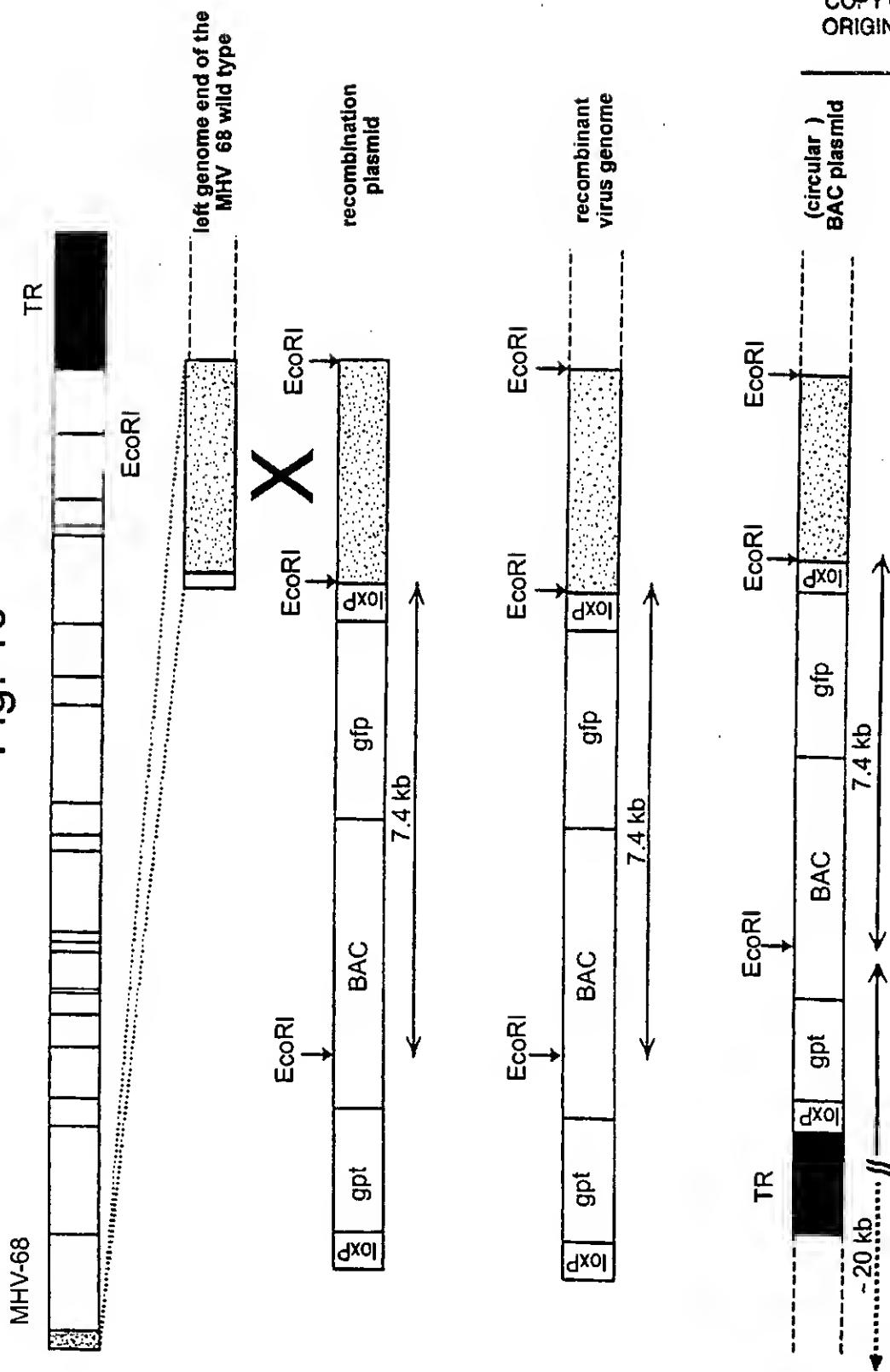
AUG 2 6 2002

TECH CENTER 1600/2900

10/25

COPY OF PAPERS
ORIGINALLY FILED

Fig. 10



OIPC
AUG 22 2002
SEARCHED & INDEXED
TRADEMARK
SEARCHED

RECEIVED

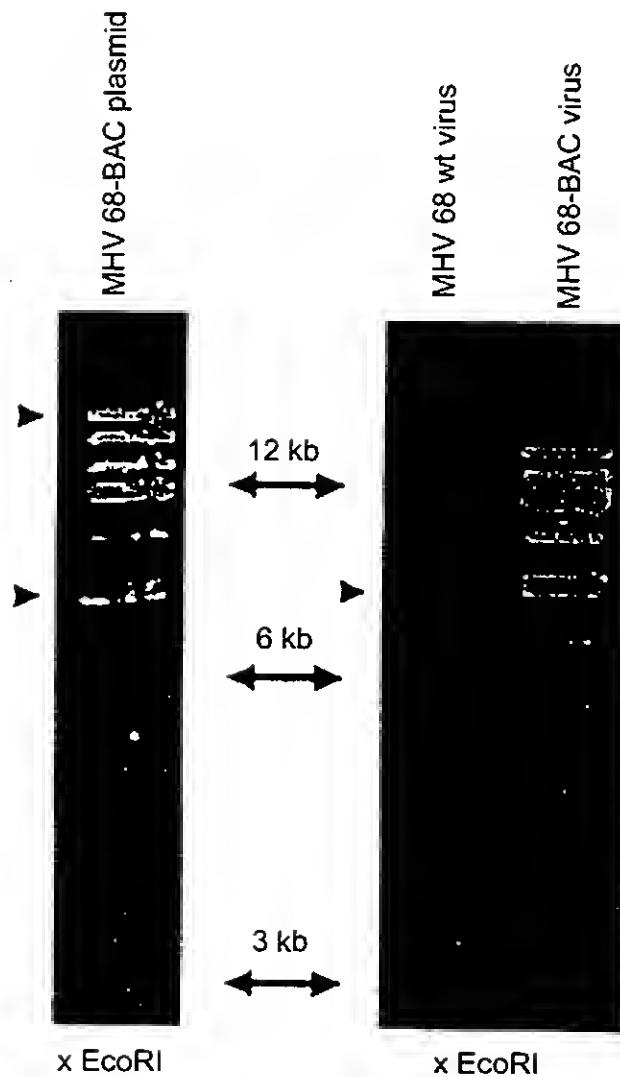
AUG 26 2002

11/25

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED

Fig. 11



O P E
AUG 22 2002
PATENT & TRADEMARK OFFICE
U.S. DEPARTMENT OF COMMERCE

RECEIVED

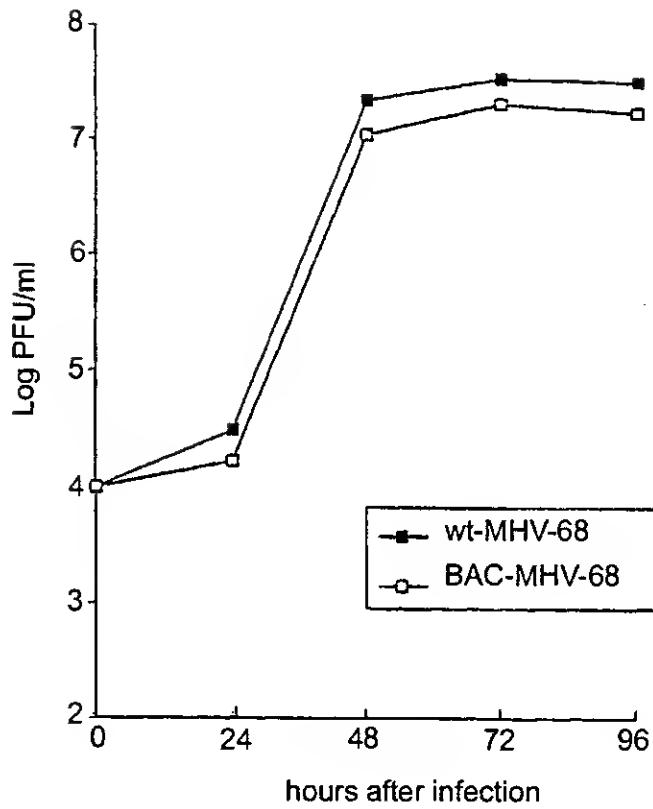
AUG 26 2002

12/25

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED

Fig. 12



OIF
AUG 22 2002
PATENTS & TRADEMARK OFFICE
U.S. GOVERNMENT

RECEIVED

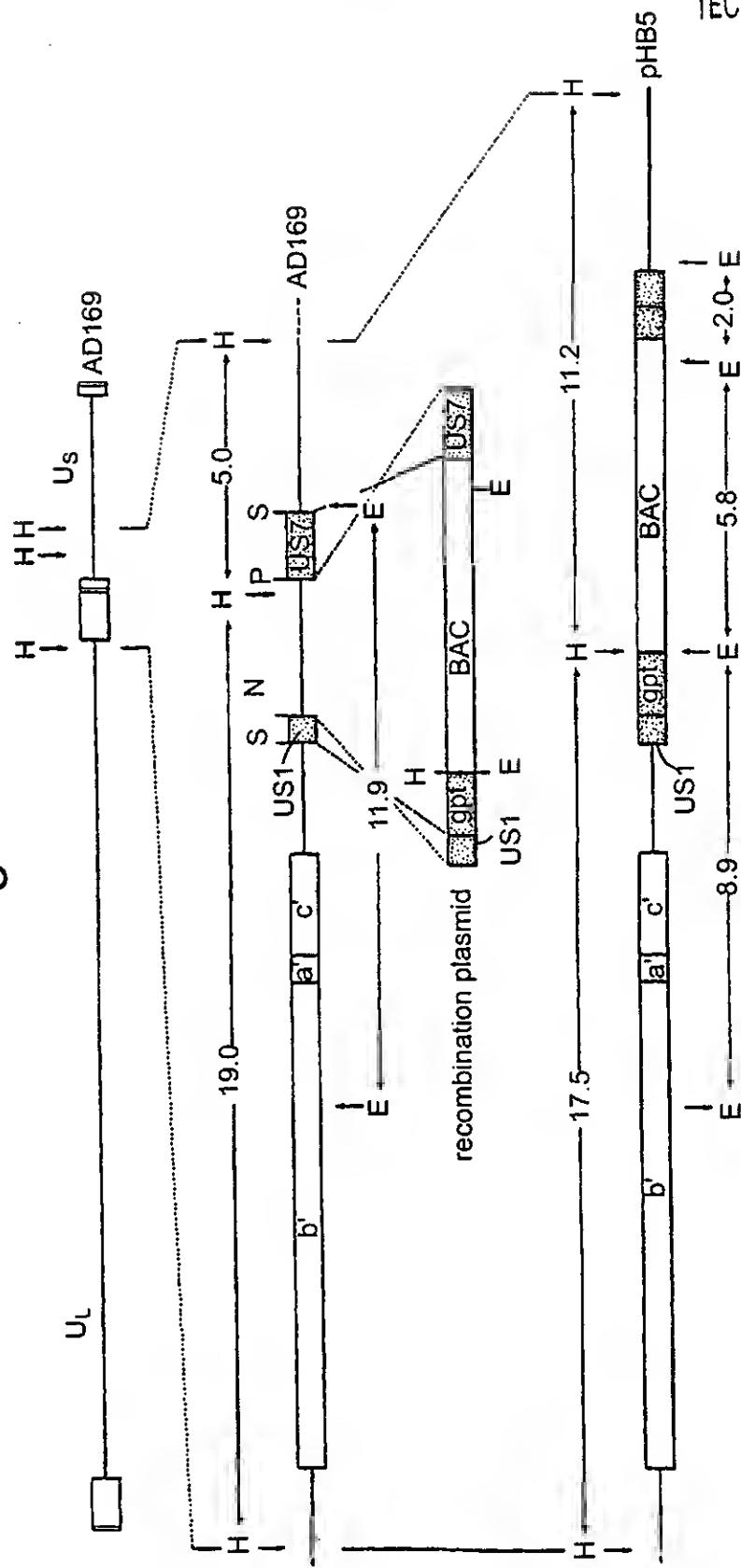
AUG 26 2002

13/25

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED

Fig. 13



O I P E
AUG 22 2002
65116
P A T E N T & T R A D E M A R K O F F I C E

RECEIVED

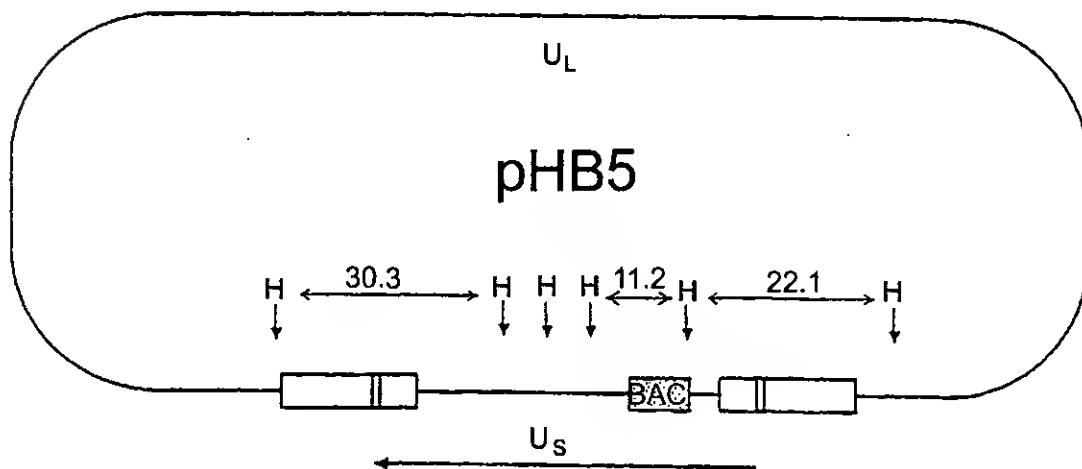
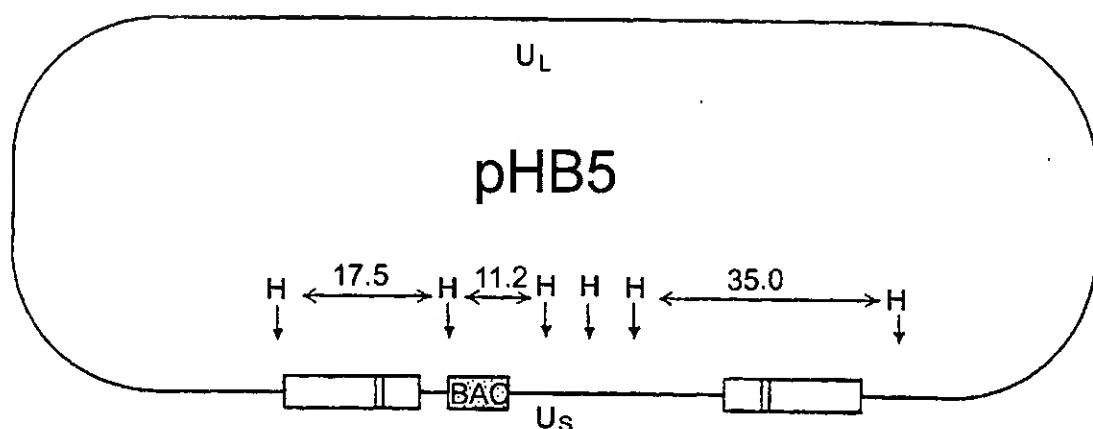
AUG 26 2002

14/25

TECH CENTER 1600/2600

Fig. 14

COPY OF PAPERS
ORIGINALLY FILED





RECEIVED

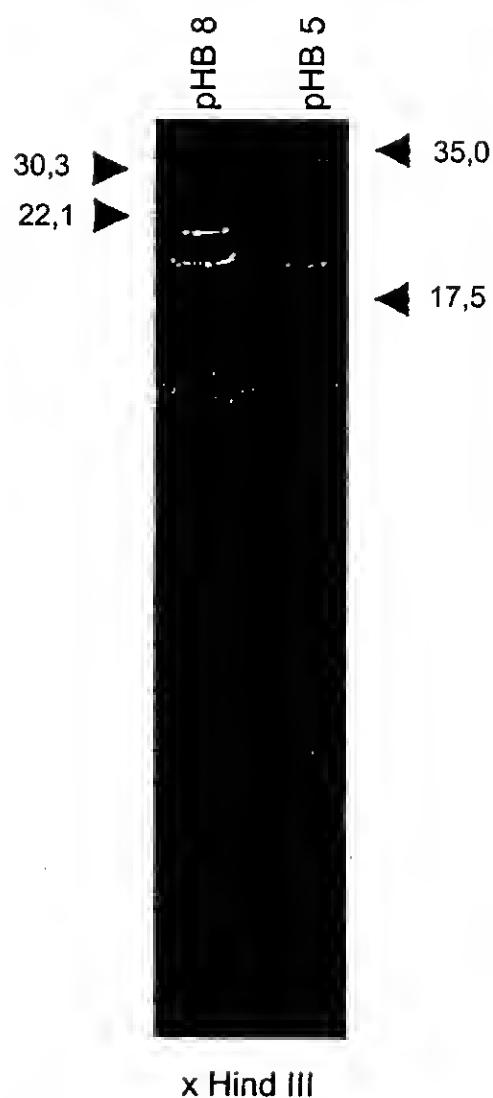
AUG 26 2002

15/25

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED

Fig. 15



O P E
AUG 22 2002
PATENT & TRADEMARK OFFICE
U.S. GOVERNMENT

COPY OF PAPERS
ORIGINALLY FILED

16/25

Fig. 16



O I P E
AUG 22 2002
U.S. PATENT & TRADEMARK OFFICE 611 C

RECEIVED

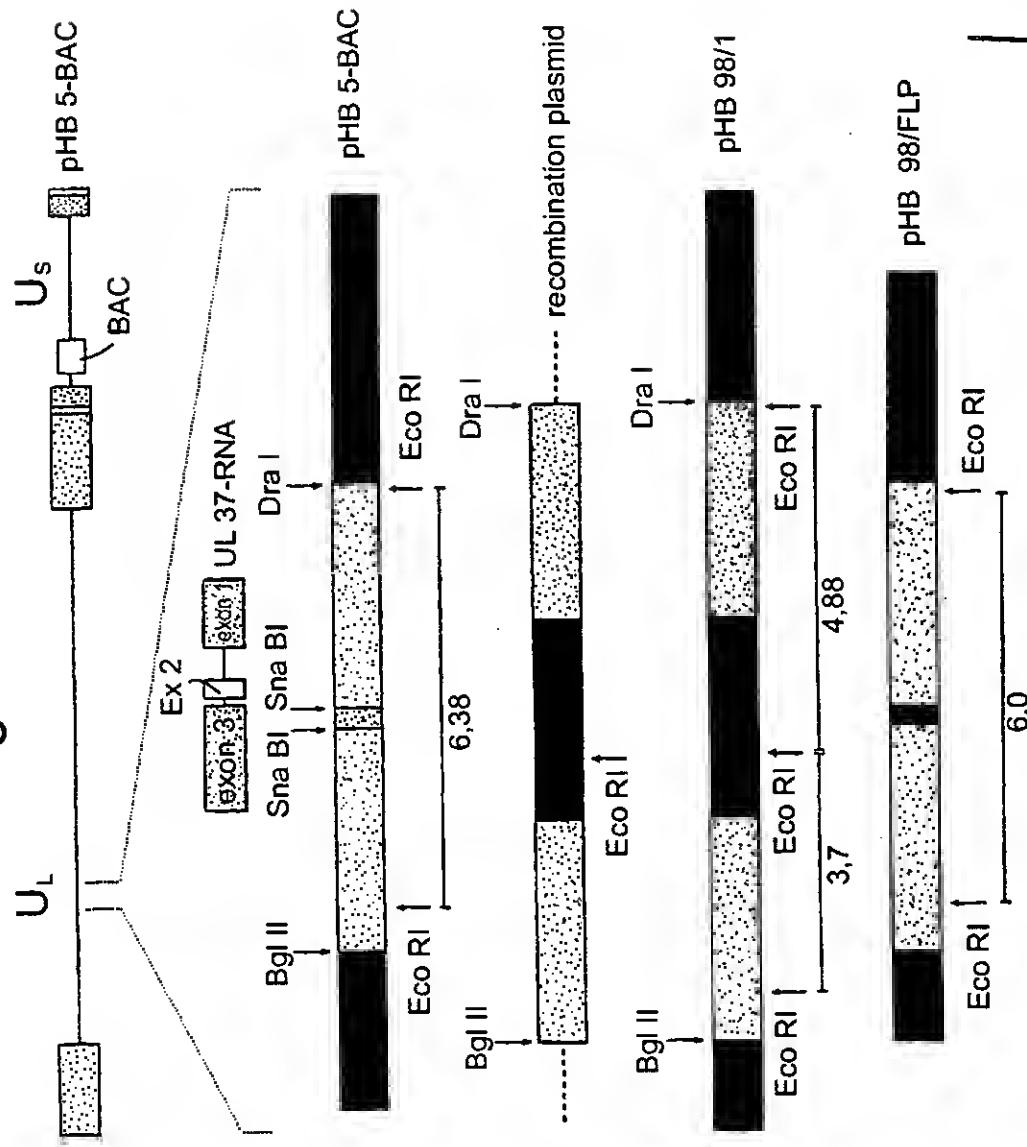
AUG 26 2002

17/25

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED

Fig. 17



O P E
AUG 22 2002
PATENTS & TRADEMARK OFFICE

RECEIVED

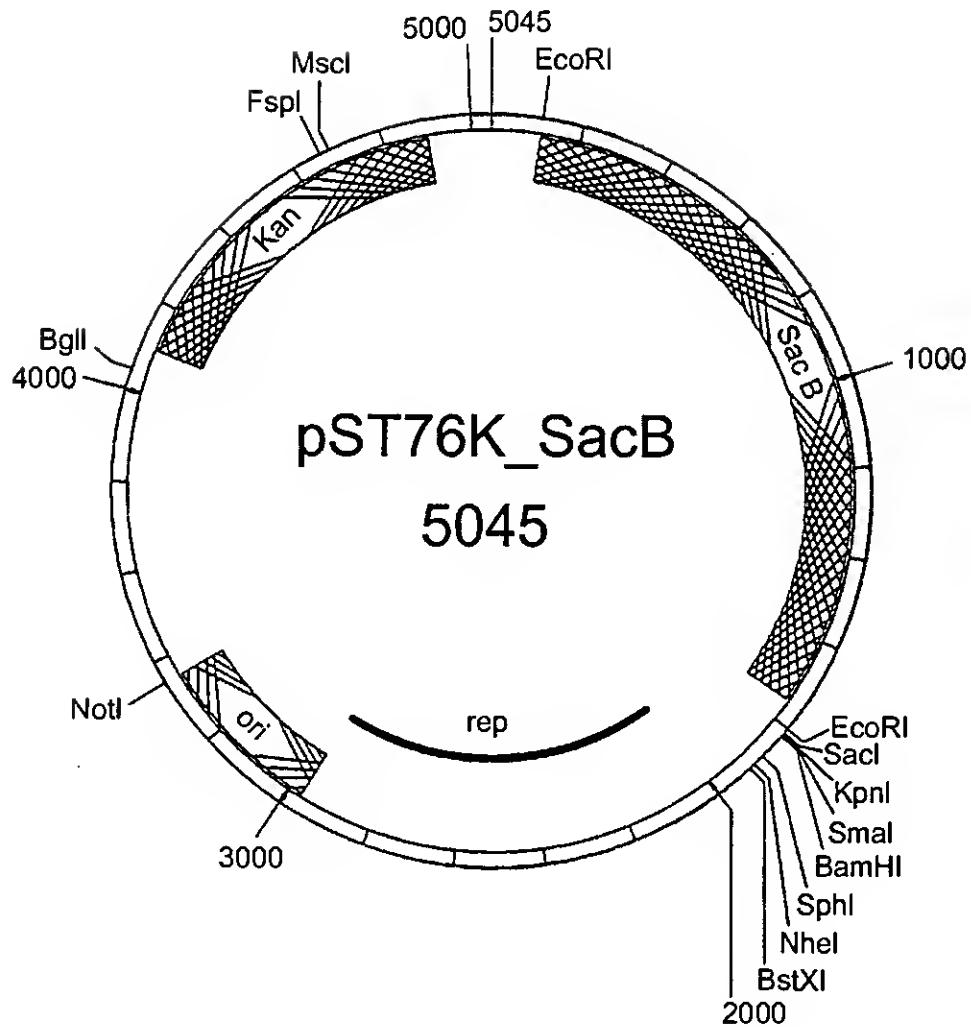
AUG 25 2002

TECH CENTER 1600/2900

18/25

COPY OF PAPERS
ORIGINALLY FILED

Fig. 18



O.I.P.E.
AUG 12 2002
PATENT & TRADEMARK OFFICE

RECEIVED

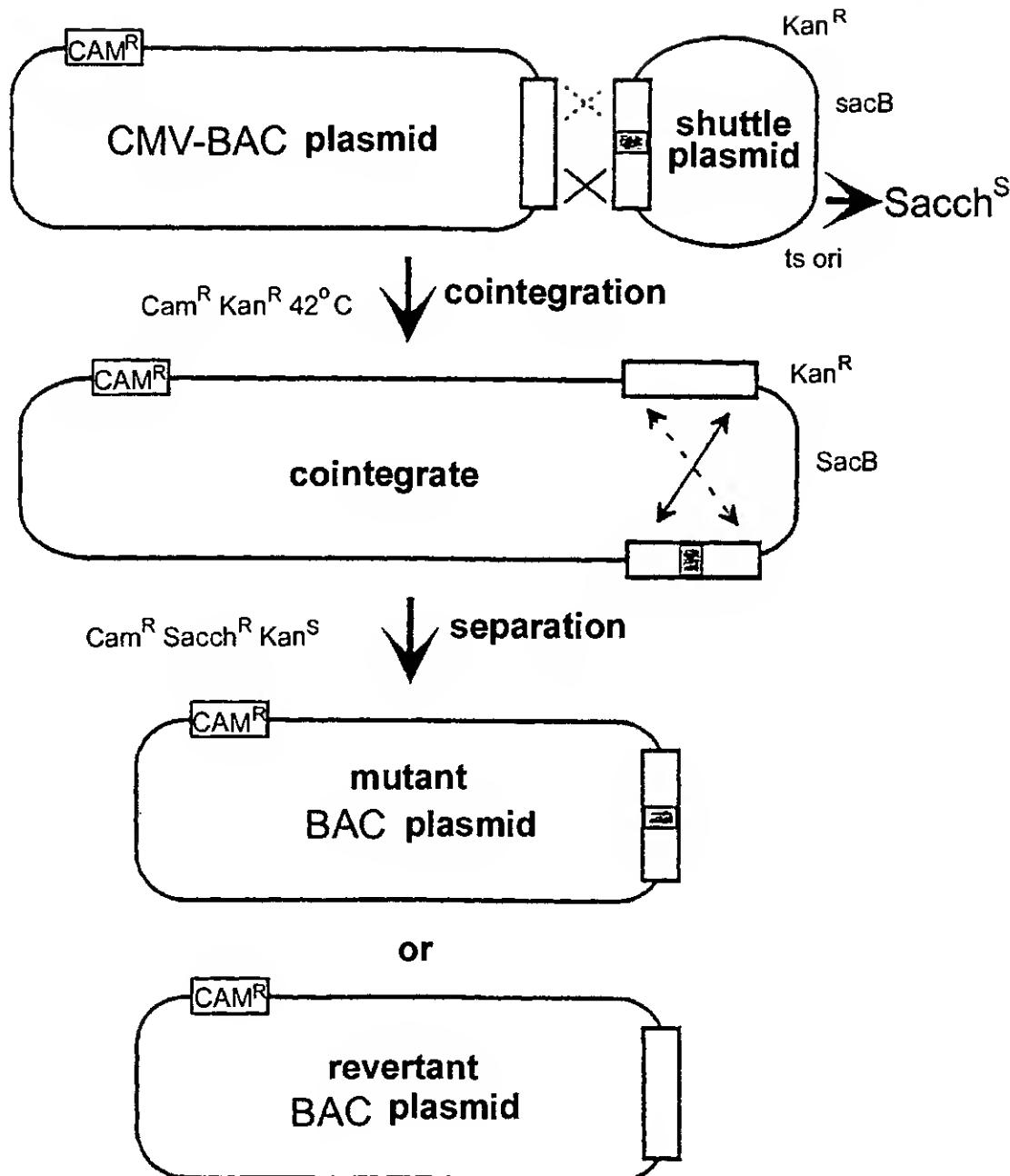
AUG 26 2002

19/25

TECH CENTER 1600/2900

Fig. 19

COPY OF PAPERS
ORIGINALLY FILED



O I P E
AUG 22 2002
U.S. PATENT & TRADEMARK OFFICE

RECEIVED

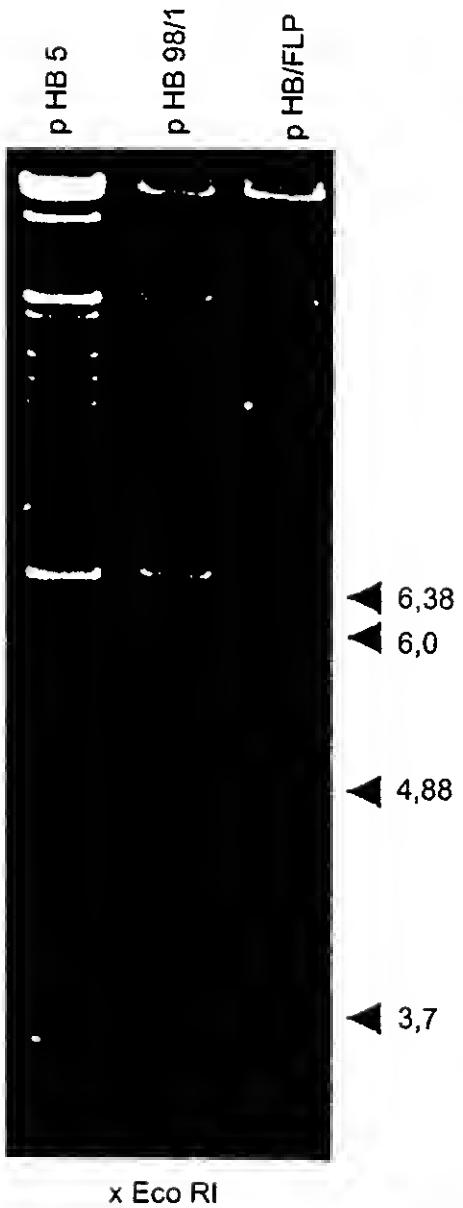
AUG 26 2002

20/25

TECH CENTER 1600/2900

Fig. 20

COPY OF PAPERS
ORIGINALLY FILED



O F F I C E
AUG 22 2002
PATENT & TRADEMARK OFFICE

RECEIVED

AUG 26 2002

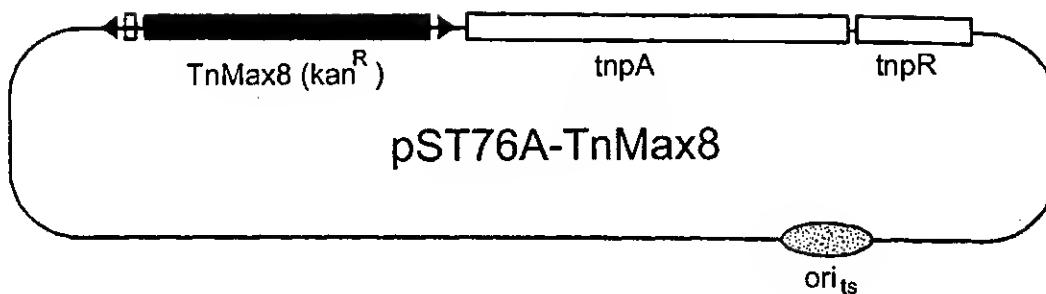
TECH CENTER 1600/2900

21/25

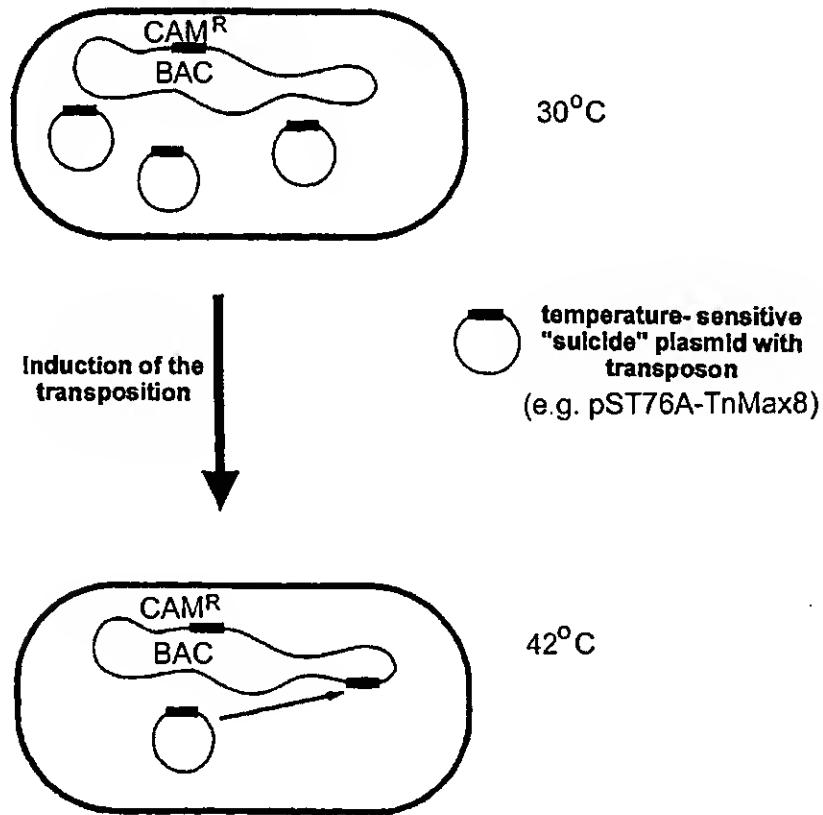
Fig. 21

COPY OF PAPERS
ORIGINALLY FILED

a



b





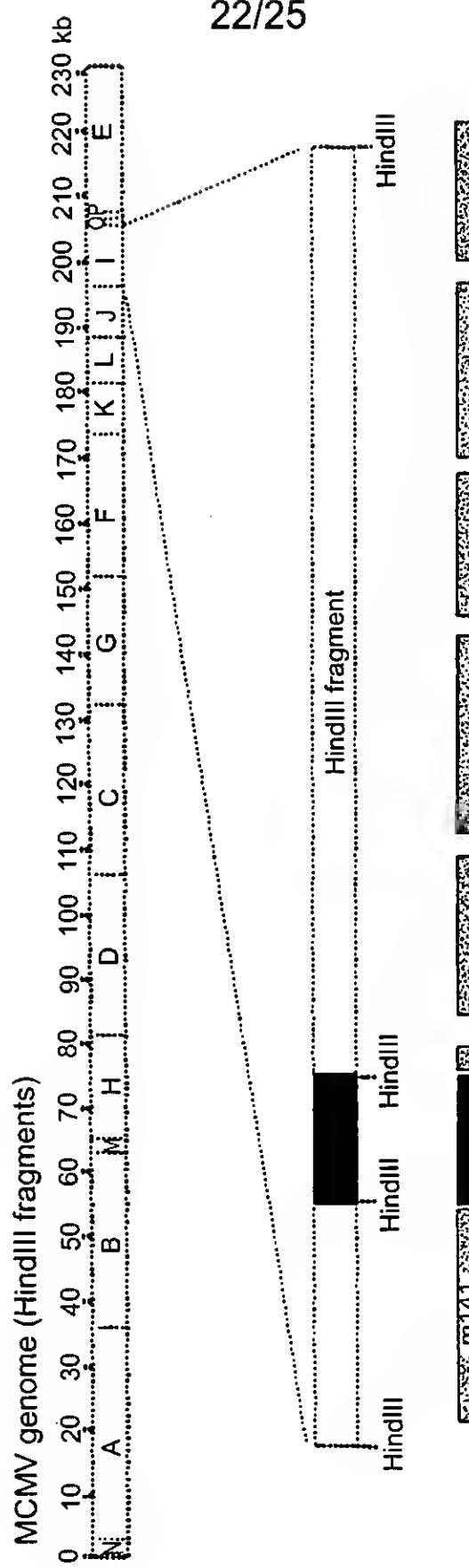
RECEIVED

AUG 26 2002

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED

Fig. 22



O I P E
AUG 22 2002
PATENT & TRADEMARK OFFICE

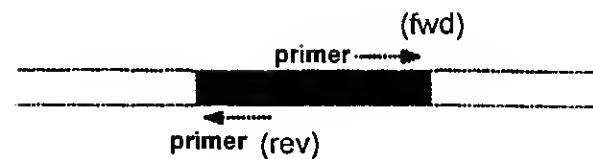
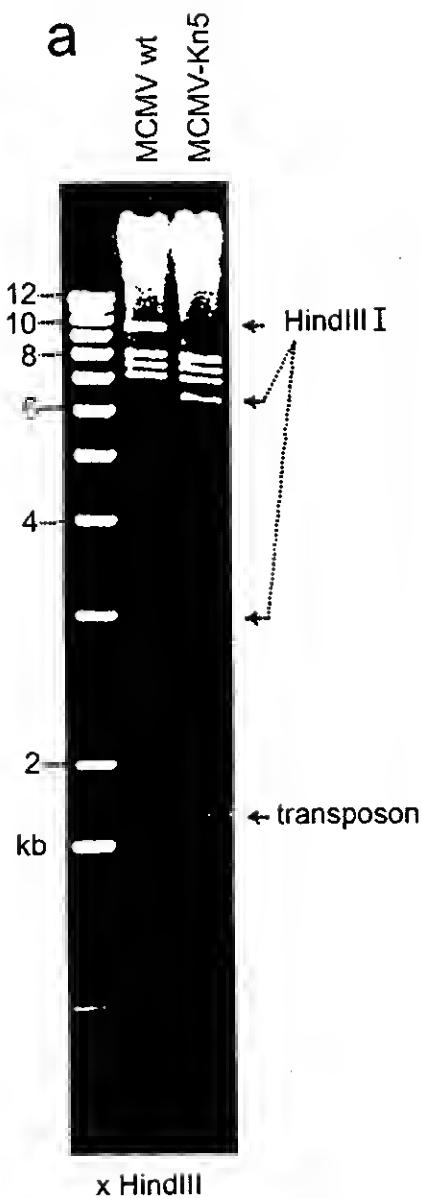
RECEIVED
AUG 26 2002
TECH CENTER 1600/2900

23/25

COPY OF PAPERS
ORIGINALLY FILED

Fig. 23

b



	89	79	69
Kn5/rev	GGAGATCCCGAAACGGCCGAGCTCNTNCAG		
MCMV	GGAGATCCCGAAACGGCCGAGCTCCTCCAG		
	198810	198820	198830
	59	49	39
Kn5/rev	GTTGCNGGCCACCAGGTGCAGNGTGTGTC		
MCMV	GTTGCNGGCCACCAGGTGCAGCGTGTGTC		
	198840	198850	198860

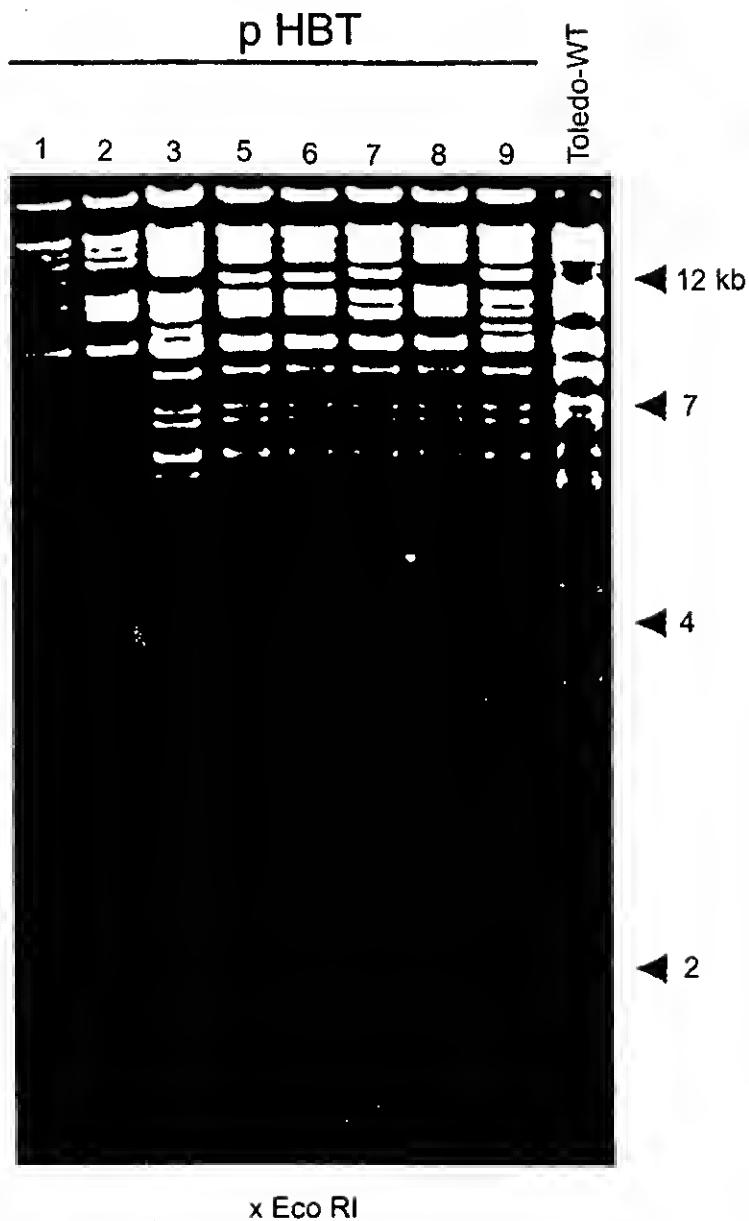
O I P E
AUG 22 2002
PATENT & TRADEMARK OFFICE
FC119

RECEIVED
AUG 26 2002
TECH CENTER (633/223)

24/25

COPY OF PAPERS
ORIGINALLY FILED

Fig. 24





25/25

COPY OF PAPERS
ORIGINALLY FILED

Fig. 25

